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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James W. Bacus et al.)

CERTIFICATE OF MAILING

Appln No.: 09/740,711)

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on this date.

Filed: December 19, 2000)

Title: METHOD AND APPARATUS FOR ANALYZING A MICROARRAY)

[Signature]
Date 7/30/02 Registration No. 19,958 Attorney for Applicant(s)

Group Art Unit: 2621)

Examiner: Andrew W. Johns)

APPENDIX TO AMENDMENT A

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JUL 17 2002

Technology Center 2600

Box NON-FEE AMENDMENT
Commissioner of Patents and Trademarks
ATTENTION: Assistant Commissioner
for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.121, as amended effective 7 November 2000, Applicant presents herewith marked-up paragraphs of the specification and marked-up text of the claims of this application as amended by the foregoing amendment

Marked-up paragraph beginning on page 13, line 15 through page 14, line 6:

When a tissue sample microarray 19 is on the slide 18 the stage 20 may be manipulated under the control of the computer through a stage controller 160 coupled to the serial I/O controller 122. The stage controller sends motion commands to a pair of stepper motors 161a and 161b. A pair of shaft encoders 161c and 161d send stage position signals back. Likewise, a microscope controller 162 controls operating characteristics of the microscope 16 such as illumination, color temperature or

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spectral output of a lamp 168 and the like. For instance, in normal operation, when a tissue sample microarray slide 18 is placed on the stage 20, as shown in FIG. [] 1, the processors 42 or 44 send a command through the system bus to cause the serial I/O controller 122 to signal the microscope controller to change magnification to 1.25X in a step 202. This is done by rotating the objective turret of the Axioplan 2 microscope to select the objective 144. Likewise, the controller sets the color temperature of the lamp 168, sets a pair of neutral density filter wheels 170 and 172 and sets a field diaphragm 174 for the correct illumination. A condenser diaphragm 176 is also controlled. A color filter wheel 180 may also be controlled to apply the appropriate filter color to the CCD sensors 126 in the camera.

Marked up test of Claims 4 and 5:

4. (Once Amended) A method of processing an image of a tissue sample microarray according to claim [2] 3, wherein the displayed image is a low magnification image of a dot.

5. (Once Amended) A method of processing an image of a tissue sample microarray according to claim [2] 3, wherein the displayed image is a high magnification image of at least a portion of one of the tissue dots.

Respectfully requested,

FITCH, EVEN, TABIN & FLANNERY

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